

COMPLETELY INTEGRATED HELMET CAMERA

ABSTRACT OF THE DISCLOSURE

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A camera unit is mountable to a helmet. The camera unit includes a single-chip image sensor, such as a color complementary metal oxide semiconductor (CMOS) image sensor, and includes an attaching unit that is structured to allow the camera unit to be attached to an existing structure of the helmet, such as to a face mask of a helmet. The camera unit further includes a transmit unit to allow transmission of a signal representative of captured images and a receive unit to receive control signals to control parameters associated with the camera unit. The control signals can be sent from a remote unit, thereby allowing the remote unit to control parameters of the camera unit, such as exposure, gain, white balance, color saturation, brightness, or hue. The camera unit can be of a small size and weight, and can be completely integrated on a single-chip, thereby minimizing intrusiveness to the helmet wearer.

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